

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

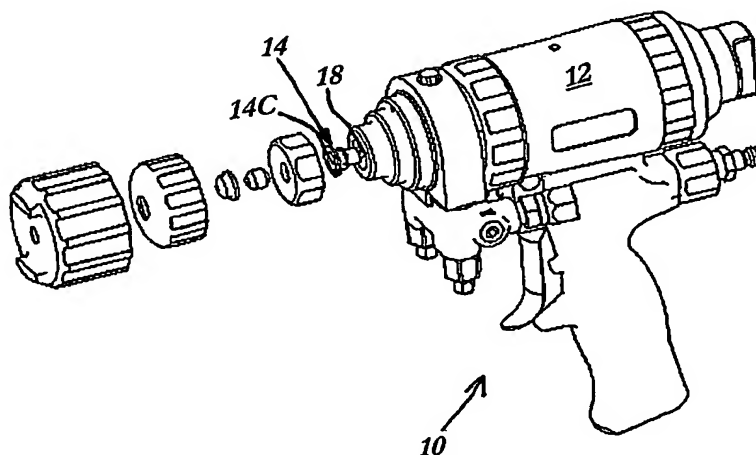
PCT

(10) International Publication Number
WO 2004/091802 A2

- (51) International Patent Classification⁷: **B05B**
- (21) International Application Number:
PCT/US2004/010640
- (22) International Filing Date: 8 April 2004 (08.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/461,453 9 April 2003 (09.04.2003) US
- (71) Applicant (for all designated States except US): **GRACO MINNESOTA INC.** [US/US]; 60 11th Ave. N.E., Minneapolis, MN 55413 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **WEINBERGER, Mark** [US/US]; 8011 Eastwood Road, Mounds View, MN 55112 (US). **ANDERSON, Richard** [US/US]; 10111 103rd Place, Maple Grove, MN 55369 (US).
- (74) Agent: **FARROW, Douglas**; GRACO MINNESOTA INC., 60 11th Ave. N.E., Minneapolis, MN 55413 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: PLURAL COMPONENT SPRAY GUN FOR FAST SETTING MATERIALS



(57) Abstract: A plural component spray gun (10) is designed for spraying quick setting materials such as foams and the like. A mix module (14) plastic material provides at least twice the life with $\frac{1}{2}$ the wear of currently marketed mix modules and is made of poly ether ether ketone reinforced with graphite and PTFE lubricants.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.